## WHAT IS CLAIMED IS:

- 1 1. A stereo picture recognition device which comprises:
- 2 a time-sharing picture display shutting means disposed between a display
- 3 surface of a display device and a viewer, the time-sharing picture display shutting
- 4 means having a function of shutting off only an area covered by a viewing angle
- 5 which corresponds to a display area of the display device.
- 1 2. The stereo picture recognition device as claimed in claim 1, in which the time-
- 2 sharing picture display shutting means is so constituted as to operate for a light
- 3 having a linear polarization.
- 1 3. The stereo picture recognition device as claimed in claim 1, in which the time-
- 2 sharing picture display shutting means is so constituted as to operate for a light
- 3 having a circular polarization.
- 1 4. The stereo picture recognition device as claimed in claim 1, in which the
- 2 display device comprises a spontaneous light display.
- 1 5. The stereo picture recognition device as claimed in claim 4, in which the
- 2 spontaneous light display is a cathode ray tube.
- 1 6. The stereo picture recognition device as claimed in claim 1, in which the
- 2 display device comprises an optical modulation display.
- 1 7. The stereo picture recognition device as claimed in claim 1, in which the time-
- 2 sharing picture display shutting means comprises:
- a first polarization filter which is so disposed as to oppose the display surface
- 4 of the display device,
- a second polarization filter which is so disposed as to oppose a right eye and a
- 6 left eye of the viewer, and
- 7 a liquid crystal sealing body.

- 1 8. The stereo picture recognition device as claimed in claim 7, in which the
- 2 second polarization filter and the liquid crystal sealing body are fitted to a head
- 3 portion of the viewer.
- 1 9. The stereo picture recognition device as claimed in claim 7, in which the
- 2 second polarization filter and the liquid crystal sealing body are held by other than
- 3 being fitted to a head portion of the viewer.
- 1 10. A stereo picture recognition device which comprises:
- 2 a liquid crystal shutter portion for transmitting and shutting off a light which is
- 3 emitted from a picture displayed on a display surface of a display device toward each
- 4 of a right eye and a left eye of a viewer, the transmission and shutoff of the light
- 5 being carried out substantially synchronously with a change in the picture displayed
- 6 and being carried out alternately for the right eye and the left eye, the liquid crystal
- 7 shutter portion comprising:
- 8 a first polarization filter which is so disposed as to oppose the display
- 9 surface of the display device;
- a pair of second polarization filters, each of which is disposed at a front
- portion of one of the right eye and the left eye of the viewer; and
- a liquid crystal sealing body disposed between the first polarization filter
- and the second polarization filters.
- 1 11. The stereo picture recognition device as claimed in claim 10, in which the
- 2 liquid crystal shutter portion further comprises:
- a pair of 1/4 wavelength plates which comprises:
- a first 1/4 wavelength plate which is so disposed as to oppose the first
- 5 polarization filter, and
- a second 1/4 wavelength plate which is so disposed as to oppose the
- 7 liquid crystal sealing body.
- 1 12. The stereo picture recognition device as claimed in claim 10, in which the
- 2 display device comprises a spontaneous light display.

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- 1 13. The stereo picture recognition device as claimed in claim 12, in which the
- 2 spontaneous light display is a cathode ray tube.
- 1 14. The stereo picture recognition device as claimed in claim 10, in which the
- 2 display device comprises an optical modulation display.
- 1 15. The stereo picture recognition device as claimed in claim 10, in which the
- 2 second polarization filter constitutes a part of glasses.
- 1 16. The stereo picture recognition device as claimed in claim 10, in which the
- 2 second polarization filter is held by the display device.
- 1 17. A method of displaying a stereo picture, the method comprising:
- 2 i) emitting a light from a picture toward each of a right eye and a left eye of
- 3 a viewer, the picture being displayed on a display surface of a display device;
- 4 ii) transmitting and shutting off the light toward each of the right eye and
- 5 the left eye by means of a liquid crystal shutter portion substantially synchronously
- 6 with a change in the picture displayed, the transmission and shutoff of the light being
  - carried out alternately for the right eye and the left eye, the liquid crystal shutter
- 8 portion comprising:
- 9 a first polarization filter which is so disposed as to oppose the
- 10 display surface of the display device,
- a pair of second polarization filters, each of which is disposed at a
- front portion of one of the right eye and the left eye of the viewer, and
- a liquid crystal sealing body disposed between the first polarization
- 14 filter and the second polarization filters; and
- 15 iii) leading the picture to each of the right eye and the left eye, the picture
- led to the right eye and the picture led to the left eye being different from each other.